KGUARD SECURITY®

A Simple Way of Your Security System

H.264 Standalone DVR & CCTV Camera Product Guide

A Simple Way of Your Security System

KGuard Inofornation Authorized Distributor

KGuard Information Co., LTD
Address: 4F, No.113, Jian 2nd Rd.,
Jhonghe City,Taipei County 235,
Taiwan (R.O.C.)
TEL:886-2-8228-6080 / FAX: 886-2-8221-6857
Technical Support: support@kguardsecurity.com
Sales: inquiry: sales@kguardsecurity.com

U.S.A. Branch Office
Address:9780 Research Drive Irvine,
CA 92618, USA
TEL:1-949-450-0052/ FAX:1-949-450-0052
Sales inquiry:sales@kguardsecurity.com

U.K. (Regional Sales Office)
NET MEDIA TECHNOLOGY
Address: Nucleus Brunel Way Off
Marsh Street DartfordKent,
DA1 5GA United Kingdom
Sales: inquiry:sales@kguardsecurity.com

Copyright 2010 KGuard Information Co., Ltd. all right reserved. KGuard Security is trademark of KGuard Information Co., Ltd.
Product features & specifications are subject to change without notice

WWW.KGUARDSECURITY.COM

H.264 compression
4ch/8ch Standalone DVR

KG-SHA104E/KG-SHA108E

Overview

The KGuard SHA104E & SHA-108E are ideal design for surveillance applications, such as home or small office. The broadest range of features include the latest H.264 compression technology, up to 2TB of massive storage capacity, remote viewing directly on Smartphone or IE browser, and event notification by E-mail. With user friendly Graphic User Interface, users can simply point and click on the command graphic icons and visual indicators for all DVR setup and configuration.

Features

H.264 Compression Technology

H.264 encoding has the advantage of high image quality, low bit-rate and saving money on storage without sacrificing in video quality

View on your Widescreen LCD Display

Support widescreen VGA resolution of 1440 x 900. You can easily to connect to your existing TV or LCD monitor via VGA port.

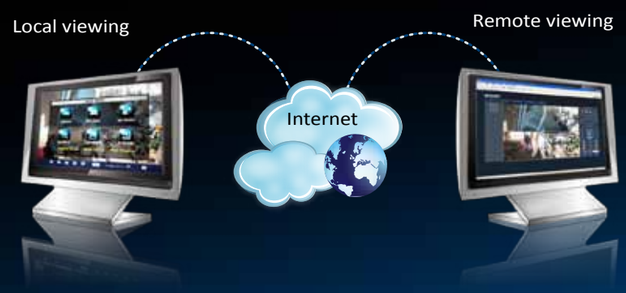
Monitoring Anywhere

Get peace of mind by monitoring on Internet Explorer or Smartphone when you're away from home (Support Symbian , Windows Mobile, iPhone, Blackberry & Android)

User Friendly GUI

Provide Graphical User Interface(GUI) and USB mouse access for easier and user friendly configuration and operation

Easy web connection for remote viewing



DVR SUPPORTED BY NVR+CMS

KGuard exclusive, free surveillance software

The enterprise grade software gives you powerful remote accessibility and management.

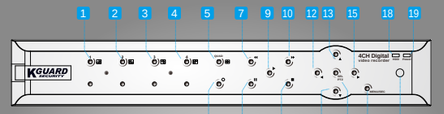
CMS 3000 Lite, Central Management System Software

Easily preview and playback video from anywhere to login and manage multi-devices by multi-users at the same time.

NVR 300 Lite, Network Video Recording Software

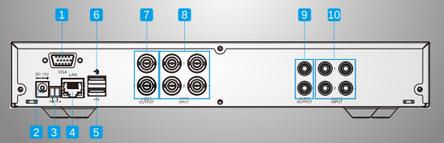
The remote surveillance software allows you to remote backup video stream from KGuard DVR & IP Camera.

Panel Layout



Front Panel

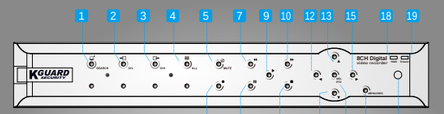
1. Display Channel 1 into full screen
2. Display Channel 2 into full screen
3. Display Channel 3 into full screen
4. Display Channel 4 into full screen
5. For Quad display
6. Start manual recording
7. Move leftward / Rewind
8. Pause / play frame by frame
9. Enter into playback mode / Play button
10. Move rightward / Play forward
11. Stop Playback / stop manual recording
12. Move leftward / Rewind
13. Enter into main menu or exit menu
14. Move Up
15. Move rightward / Play forward
16. Enter system pop-up menu bar / edit button / enter PTZ mode
17. Enter/exit system menu
18. Continuous flicker indicates HDD is being accessed
19. Green light indicates power supply status
20. To receive signal from remote controller



Rear Panel

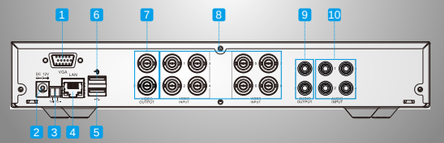
1. Connect to VGA monitor
2. Connect power supply - DC12V 3A
3. RS485 interface
4. Connect intranet, internet (RJ45 interface)
5. Connect USB device (Flash Drive, Hard Drive and Recorder etc)
6. Connect USB mouse
7. Connect monitor output (BNC)
8. Connect CH1-4 video input device (BNC)
9. 2CH output(RCA)
10. 4CH audio input (RCA)

4CH



Front Panel

1. Enter system pop-up (short cut) menu bar
2. Switch to previous channel
3. Switch to next channel
4. Switch to 4/8 pictures display
5. Audio mute key
6. Start manual recording
7. Move leftward / Rewind
8. Pause / play frame by frame
9. Enter into playback mode / Play button
10. Move rightward / Play forward
11. Stop Playback / stop manual recording
12. Move leftward / Rewind
13. Enter into main menu or exit menu
14. Move Up
15. Move rightward / Play forward
16. Enter system pop-up menu bar / edit button / enter PTZ mode
17. Enter/exit system menu
18. Continuous flicker indicates HDD is being accessed
19. Green light indicates power supply status
20. To receive signal from remote controller



Rear Panel

1. Connect to VGA monitor
2. Connect power supply - DC12V 3A
3. RS485 interface
4. Connect intranet, internet (RJ45 interface)
5. Connect USB device (Flash Drive, Hard Drive and Recorder etc)
6. Connect USB mouse
7. Connect monitor output (BNC)
8. Connect CH1-8 video input device (BNC)
9. 2CH output(RCA)
10. 4CH audio input (RCA)

8CH

System Diagram

Scope of Applications

House, villas, stores, offices and other small-scale video surveillance occasions.

Vilas

House

Offices

Stores

Specification

Model	4CH	8CH
Video Compression	H.264	
Video System	NTSC / PAL	
Operation System	Linux	
Video Input / Output	BNC 4-channel/ VGA 1-channel ; BNC 2-channel	BNC 8-channel / VGA 1-channel ; BNC 2-channel
Audio Input / Output	4-channel / 2-channel	4-channel / 2-channel
Audio Compression	8kHz*16bit ADPCM	
Display Frame Rate	NTSC: 120 fps ; PAL: 100 fps	NTSC: 240fps ; PAL: 200fps
Playback Resolution	NTSC: CIF(352x240),HD1(704x240), D1(704x480) PAL: CIF(352x288),HD1(704x288), D1(704x576)	
Recording Frame Rate	NTSC:60fps@D1, 120fps@HD1/CIF PAL:50fps@D1, 100fps@HD1/CIF	NTSC:60fps@D1, 120fps@HD1, 240fps@CIF PAL:50fps@D1, 100fps@HD1, 200fps@CIF
Recording Mode	Always / schedule (motion detection)	
Recording Pack Time	15/30/45/60mins selectable	
HDD Interface	One fixed HDD rack, supports up to 2TB SATA HDD	
Network Interface	RJ45, 10M/100M	
Network Protocol	Supports TCP/IP, UDP, DHCP,DNNS, PPPoE	
Network Function	Supports live view with IE (Internet Explorer) & with mobile phone	
USB2.0	USB mouse, USB disk (backup, upgrade)	
Playback	Local: Playback 4 channels at the same time	Local: Playback 8 channels at the same time
Playback Search	Date, time, file list	
Playback Mode	Normal play, fast forward, fast rewind, frame by frame	
Backup	Backup via USB flash disk, USB HDD disk, USB CD/DVD-RW & Network	
PTZ Control	Built-in RS485, supports PELCO-P & PELCO-D	
Alarm Mode	Motion detection, video loss, HDD error, HDD full	
Power	Power Supply: DC 12V/3A (power adapter included)	
Working Temperature	50°F to 104°F (10℃ to 40℃)	
Dimension	300*224*55mm (WxDxH)	
Weight	Approximately 2.9kg	

Package Contents

Standalone DVR

Power Cord

Power Adaptor

Quick Installation Guide

Remote Control

USB Mouse

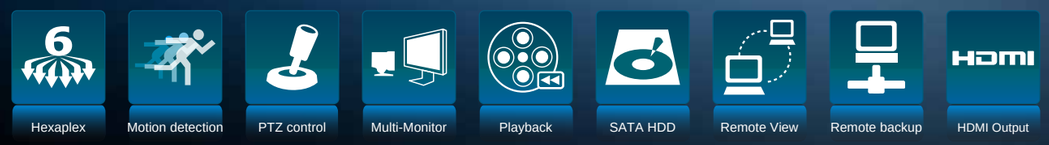
Software CD

BNC to RCA Cable

www.kguardsecurity.com

H.264 compression 16ch Standalone DVR

KG-SHA116E



Overview

The KGuard SHA116E is ideal design for mid-range surveillance applications, such as home, small office or retail shop. The broadest range of features include the latest H.264 compression technology, up to 4TB of massive storage capacity, remote viewing directly on Smartphone or IE browser, and event notification by E-mail. Furthermore the multiple sensor inputs allow you to connect motion detector sensors, door sensors, barometric pressure sensors, moisture sensors and any other low-voltage sensor for your security applications. With user friendly Graphic User Interface, users can simply point and click on the command graphic icons and visual indicators for all DVR setup and configuration.

Features

H.264 Compression Technology

H.264 encoding has the advantage of high image quality, low bit-rate and saving money on storage without sacrificing in video quality

Monitoring Anywhere

Get peace of mind by monitoring on Internet Explorer or Smartphone when you're away from home (Support Symbian , Windows Mobile, iPhone, Blackberry & Android)

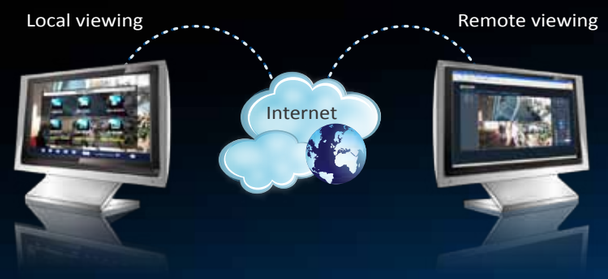
Support Sensor Input & Alarm Output

Multiple sensor & alarm connections can be integrated into your home or office security systems.

User Friendly GUI

Provide Graphical User Interface(GUI) and USB mouse access for easier and user friendly configuration and operation

Easy web connection for remote viewing



KGuard exclusive, free surveillance software

The enterprise grade software gives you powerful remote accessibility and management.

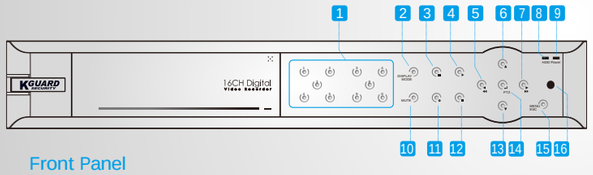
CMS 3000 Lite, Central Management System Software

Easily preview and playback video from anywhere to login and manage multi-devices by multi-users at the same time.

NVR 300 Lite, Network Video Recording Software

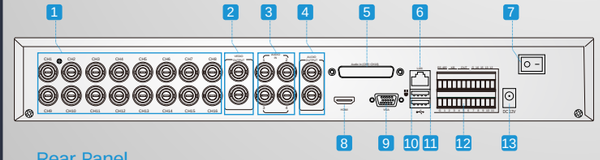
The remote surveillance software allows you to remote backup video stream from KGuard DVR & IP Camera.

Panel Layout



Front Panel

1.Channel Select & numeric input
2.Preview (Multiple CH display)
3.Pause / play frame by frame
4.Convert to play status
5.Move left / RWD
6.Move up
7.Move right / FWD
8.HDD indicator
9.Power indicator
10.Audio control(Mute key)
11.Manual recording
12.Stop playing recording
13.Move down
14.Enter PTZ control, select [Enter] / [Edit] operation
15.Enter into main menu / Exit
16.IR Receiver



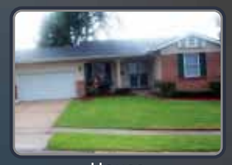
Rear Panel

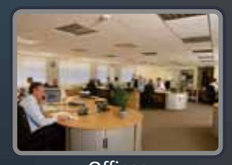
1. Connect CH1-16 (Virtual) video input
2. (UP) Main video output; (Down) Spot output
3. Connect CH1-4 audio signal input
4. Connect audio signal output, including spot main audio output and sequence audio output
5. Connect (CH5~CH16) Audio input
6. Connect LAN, Ethernet (RJ45 interface)
7. Turn Power on and off
8. HDMI Output
9. Connect to VGA monitor, such as PC monitor
10. Connect USB mouse
11. Connect USB device (Flash Drive, Hard Drive and Recorder etc)
12. RS485/Sensor/Alarm interface
13. Connect power supply - DC12V 5A

Scope of Applications

House, villas, stores, offices and other small-scale video surveillance occasions.

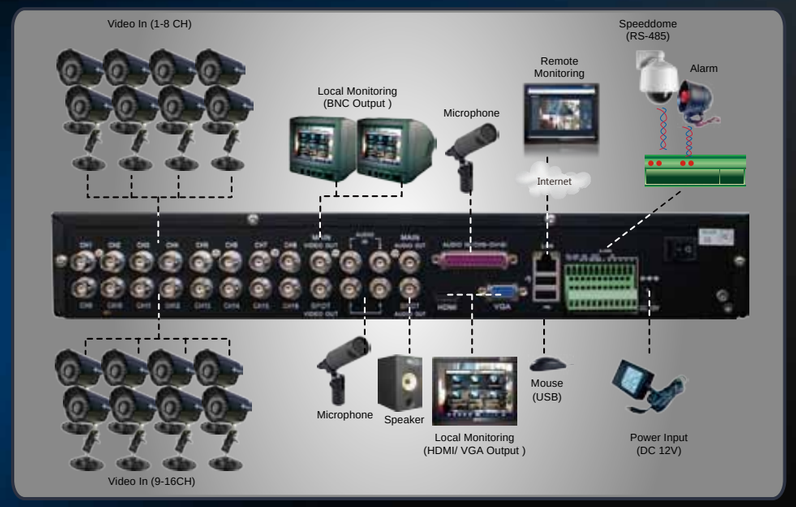
Vilas


House


Offices

Stores

System Diagram



Specification

Video Compression		H.264
Video System		NTSC / PAL
Operation System		Linux
Video	Input	BNC: 16-ch
	Output	BNC: 2-ch / VGA / HDMI
Audio	Input	BNC :16-ch
	Output	BNC: 2-ch
Display	Resolution	NTSC: 704 x 480 / PAL: 704 x 576 (D1)
	Frame Rate	NTSC: 480fps / PAL: 400fps
Record	Resolution	NTSC: CIF(352x240) / HD1(704x240) / D1(704x480)
		PAL: CIF(352x288) / HD1(704x288) / D1(704x576)
	Frame Rate	NTSC: 120fps@D1 / 240fps@HD1 / 480fps@CIF
		PAL: 100fps@D1 / 200fps@HD1 / 400fps@CIF
Feature	Display	Full Screen/ Quad / 9 channels / 16 channels / PIP / S.E.Q.
	Recording	Best / Good / Normal
Record Modes		Normal/Schedule / Motion Detection / Sensor Triggered / Remote
		Recording
HDD	Interface	1*SATA Fixed HDD rack /1*SATA Removable HDD Rack
	capability	SATA up to 2TB each
Playback		Local site:16 Channels, simultaneously/ Network: 1 channel.
USB Interface		USB 2.0 for Mouse and File Backup / Upgrade
PTZ Control		Built-in RS-485 / support PELCO-P & PELCO-D
Sensor & Alarm		16-ch sensor inputs / 1-ch alarm output
Network Interface		RJ45, 10M/100M
Network Protocol		Supports TCP/IP, UPNP, DHCP, DDNS, PPPoE
Network Function		Supports live view with IE (Internet Explorer) & with Mobile phone
Backup		AVI file via USB flash / Removable HDD USB disk / USB CD/DVD-RW & Network
Optional: HDMI Interface		HDMI Output：1920*1080
Authority		Max. 7 USERS
Playback Mode		Play / Fast Forward / Fast Rewind / Frame by Frame
Recording Pack Time		15/30/45/60mins
Power Supply		DC12V / 5A
CD/DVD-RW		Optional
Dimension		431×395×73mm

Package Contents

Standalone DVR

Power Cord

Power Adaptor

Quick Installation Guide

Remote Control

USB Mouse

Software CD

www.kguardsecurity.com

CCTV CAMERAS SERIES

Superior Image Quality and Durability

Overview

Our security cameras provide functionalities that fulfill your security system demands entirely. KGuard cameras offer advanced features, clear image quality, and industry-standard connectivity. All these cameras are available in several resolution and application configurations, in color, day/night, indoor/outdoor and IR distance. When it comes to a home and business applications, this KGuard camera is an ideal way for your choice.

Key Features

Long IR Distance (15-60m)
With built-in high intensity infrared LED, the cameras can provide clear video image in the dark.

Color
The CCD camera has sharper and more vivid image than CMOS camera.

Anti-Cut Design
The internal wire bracket can prevent from cutting by vandals.

Weatherproof
Built with weatherproof aluminum housing and an integral rain hood / sunshade.

Day & Night
The color CCD security camera kit is for day and night environment.

Easy Installation
You can install the camera with the flexible arm bracket in any place in your house.

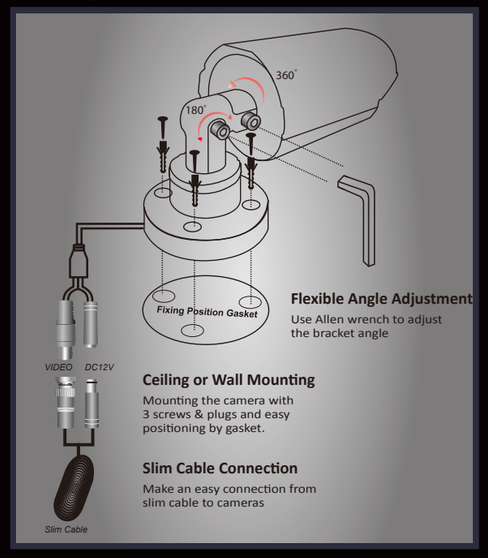
Specifications

Model No.	KG-CW20R11-N/P	KG-CW30R11-N/P	KG-CW30R13-N/P
Image Device	1/3" SONY Super HADCCD	1/3" SONY Super HADCCD	1/3" SONY Super HADCCD
Signal System	PAL / NTSC	PAL / NTSC	PAL / NTSC
Picture Elements	PAL: 500(H)×582(V) NTSC: 510(H)×494(V)	PAL: 500(H)×582(V) NTSC: 510(H)×494(V)	PAL: 500(H)×582(V) NTSC: 510(H)×494(V)
Horizontal Resolution	420 TV Lines	420 TV Lines	540 TV Lines
Minimum Illumination	While IR ON "0" lux	While IR ON "0" lux	While IR ON "0" lux
S/N Ratio	More than 48dB (AGC off)	More than 48dB (AGC off)	More than 48dB (AGC off)
Backlight Compensation	On/Off Switchable	On/Off Switchable	On/Off Switchable
White Balance	Auto Tracking	Auto Tracking	Auto Tracking
Focal Lens	3.6mm	3.6mm	3.6mm
Shutter Speed	1/50(1/60) - 1/100,000(sec)	1/50(1/60) - 1/100,000(sec)	1/50(1/60) - 1/100,000(sec)
IR LED	24pcs, Φ5/60°	30pcs, Φ5/60°	30pcs, Φ5/45°
Sync System	Internal Synchronization	Internal Synchronization	Internal Synchronization
Infrared Wavelength	850mm	850mm	850mm
IR Distance	15m	20m	20m
Grade of waterproof	IP66	IP66	IP66
Bracket	Anti-cut bracket	Anti-cut bracket	Anti-cut bracket
Operating Temperature	-10℃～+50℃	-10℃～+50℃	-10℃～+50℃
Power Source	DC12V	DC12V	DC12V
Video Out	BNC, 1.0VP-P,75Ω	BNC, 1.0VP-P,75Ω	BNC, 1.0VP-P,75Ω
Weight	335g(N/W) 675g(G/W)	335g(N/W) 675g(G/W)	525g(N/W) 755g(G/W)
Dimensions	Φ54.2 L:81mm	Φ65.12 L:135mm	Φ65.12 L:135mm

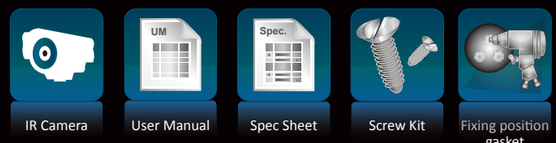
Model No.	KG-CW50R11-N/P	KG-CW50R13-N/P	KG-CW50R13-VF-N/P	KG-CW80R13-VF-N/P
Image Device	1/3" SONY Super HAD CCD	1/3" SONY Super HAD CCD	1/3" SONY Super HAD CCD	1/3" SONY Super HADCCD
Signal System	PAL / NTSC	PAL / NTSC	PAL / NTSC	PAL / NTSC
Picture Elements	PAL:582(H)×512(V) NTSC:510(H)×492(V)	PAL:752(H)×582(V) NTSC:768(H)×494(V)	PAL:752(H)×582(V) NTSC:768(H)×494(V)	PAL:752(H)×582(V) NTSC:768(H)×494(V)
Horizontal Resolution	420 TV Lines	540 TV Lines	540 TV Lines	540 TV Lines
Minimum Illumination	While IR ON "0" lux	While IR ON "0" lux	While IR ON "0" lux	While IR ON "0" lux
S/N Ratio	More than 48dB (AGC off)	More than 50dB (AGC off)	More than 50dB (AGC off)	More than 48dB (AGC off)
Backlight Compensation	On/Off Switchable	On/Off Switchable	On/Off Switchable	On/Off Switchable
White Balance	Auto Tracking	Auto Tracking	Auto Tracking	Auto Tracking
Focal Lens	8 mm	8 mm	Manual varifocal lens, 4-9 mm	Manual varifocal lens, 6-15 mm
Shutter Speed	1/50(1/60) - 1/100,000(sec)	1/50(1/60) - 1/100,000(sec)	1/50(1/60) - 1/100,000(sec)	1/50(1/60) - 1/100,000(sec)
IR LED	48pcs, Φ5/15°	48pcs, Φ5/15°	42pcs, Φ5/15°	72pcs, Φ5/15°
Sync System	Internal Synchronization	Internal Synchronization	Internal Synchronization	Internal Synchronization
Infrared Wavelength	850mm	850mm	850mm	850mm
IR Distance	40M	40M	40M	60M
Grade of waterproof	IP66	IP66	IP66	IP66
Bracket	Anti-cut bracket	Anti-cut bracket	Anti-cut bracket	Anti-cut bracket
Operating Temperature	-10℃～+50℃	-10℃～+50℃	-10℃～+50℃	-10℃～+50℃
Power Source	DC12V	DC12V	DC12V	DC12V
Video Out	BNC, 1.0VP-P,75Ω	BNC, 1.0VP-P,75Ω	BNC, 1.0VP-P,75Ω	BNC, 1.0VP-P,75Ω
Weight	880g(N/W) 1080g(G/W)	880g(N/W) 1080g(G/W)	880g(N/W) 1080g(G/W)	1270g(N/W) 1440g(G/W)
Dimensions	Φ98.4 L:175mm	Φ98.4 L:175mm	Φ98.4 L:175mm	Φ101mm L:175mm

Camera Overview

Easy Installation


360°
180°
Fixing Position Gasket
Flexible Angle Adjustment
Use Allen wrench to adjust the bracket angle
VIDEO
DC12V
Ceiling or Wall Mounting
Mounting the camera with 3 screws & plugs and easy positioning by gasket.
Slim Cable Connection
Make an easy connection from slim cable to cameras
Slim Cable

Package Contents

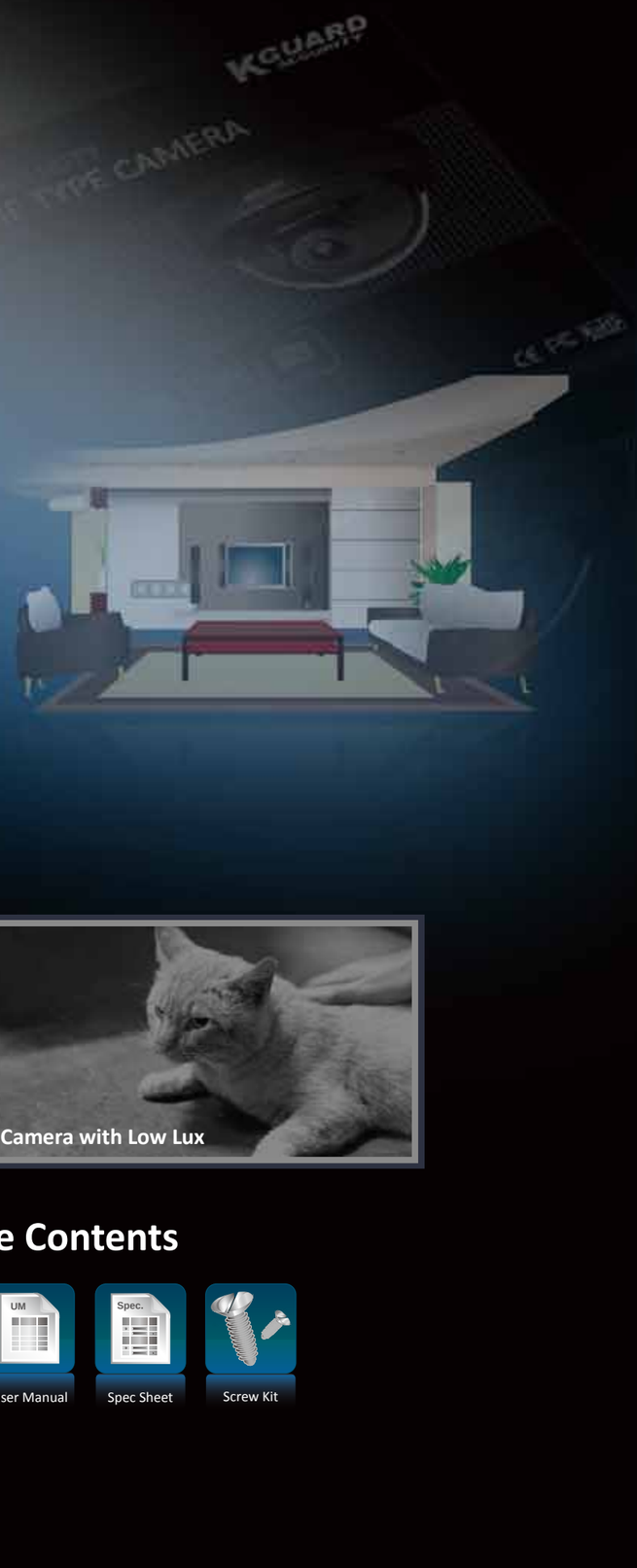


www.kguardsecurity.com

Dome Type

Specifications

Model No.	KG-CDI11-N/P	G-CDI13-N/P
Image Device	1/3" SONY Super HADCCD	
Signal System	PAL / NTSC	
Picture Elements	PAL: 500(H)×582(V) NTSC: 510(H)×494(V))	PAL: 752(H)×582(V) NTSC: 768(H)×494(V)
Horizontal Resolution	420 TV Lines	540 TV Lines
Minimum Illumination	0.5LUX/F1.2	0.1LUX/F1.2
S/N Ratio	More than 48dB (AGC off)	More than 50dB (AGC off)
Backlight Compensation	Auto	
White Balance	Auto Tracking	
Focal Lens	3.6mm	
Shutter Speed	1/50(1/60) - 1/100,000(sec)	
Operating Temperature	- 10℃~ + 50℃	
Power Source	DC12V	
Video Out	BNC	
Weight	265g(N/W) 445g(G/W)	285g(N/W) 465g(G/W)
Dimensions	Φ127.7mm H:78.8mm	



Low illumination requirement

Camera Overview

Package Contents

NVR 300 Lite

Network Video Recording Software
KGuard Exclusive

Overview

The KGuard NVR 300 Lite is the latest NVR software which utilizes the exiting PC system to record the audio & video stream from IP Cam and DVR. The user can access live video from multi-IP Devices also can search the video data base through various kinds of method like event, motion, date & time etc.

Features

Event List

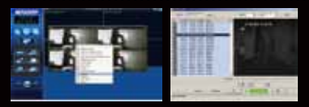
Real time display for event list and automatic refresh of video event list

Auto Backup Center

. Automatic download DVR video files by different channels
. Schedule recording for each independent channel

Multi-view for Multi-site

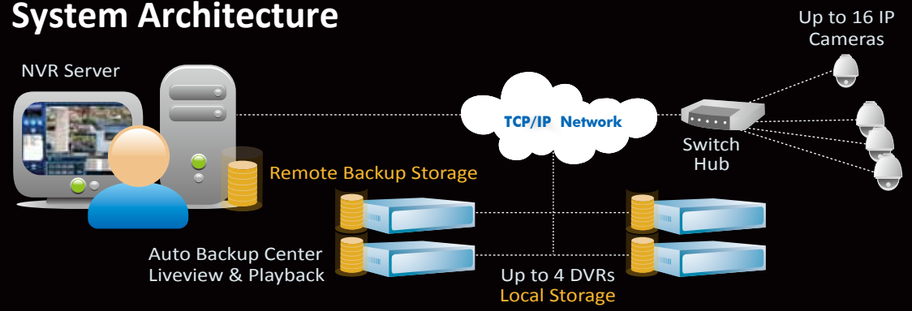
. Users can customized their live window view by different DVRs channels
. Supports 1/4/6/9/10/13/16/25/36 and full screen window view



Playback Mode

Remote playback and download the specified DVR channel video

System Architecture



CMS 3000 Lite

Network Video Recording Software
KGuard Exclusive

Overview

The KGuard CMS 3000 Lite provides an overall central monitoring solution for easily preview and playback video from anywhere and manage multi-devices by multi-users at the same time. It is ideal for central monitoring station and a diverse range of high security, multiple-site industries that require centralized security management.

Features

Live View

. Display placement can be adjusted by user's behavior
. Live recording and snap shot

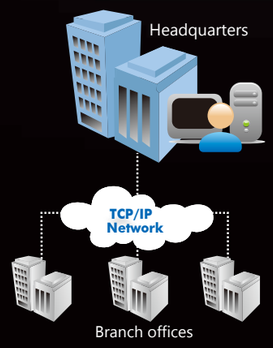
E-Map View

. Maps can be layered allowing for large area navigation
. Support live view and playback from E-map

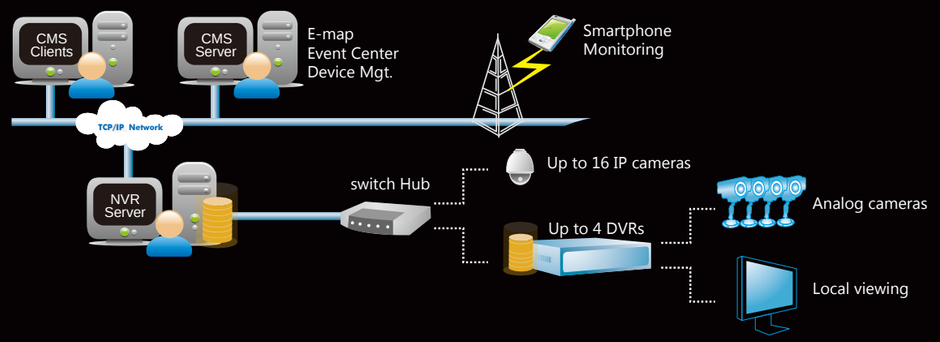
Event View

. Event triggered recording
. Smart search by server name and channel number

Multi-Site Management



System Architecture



Company Introduction

A Simple Way of Your Security System
KGuard INFORMATION CO., LTD.

KGuard Information

was founded in 2001 and has excelled in developing innovative surveillance systems and solutions.

KGuard emerged to be a supplier of total security solution and system integration. Strong R& D team has been able to develop most reliable Security Solutions such as PC based DVR, Standalone DVR, POS surveillance, Vehicle online tracking surveillance and other value added solutions.

KGuard offers round the clock support to its partners and assist them to handle their projects as well as system implementation.

Our Affiliated Company

KGuard Security Co., Ltd. is a member of KWorld Computer group, a leading manufacturer of Multi-media & digital entertainment provider and public held company in Taiwan.

"Best Technology, Best Quality and Best Service" a implementation.

Our Company Values

KGuard has been dedicating to be a TOTAL solutions provider. Packed by professional RD and high efficient sales team that have been able to deliver excellent customers service and innovative security solutions.

Keeping watching the market trend and provide most competitive solutions
Great customer service and technical support
Unique & unrivaled product lines
Acquiring new security standards by our innovative & experienced RD team
Rapid delivery & customer service
Dedicate company sources to create more cost-effective security products